

Claims

5 1. Steering gear comprising a steering housing, a gear rod, which defines an axial direction and meshes with a steering pinion, comprising a hydraulic servo-drive with a piston/cylinder unit comprising a piston, a piston rod, which extends in the axial direction, and a cylinder, characterized in that the gear rod and the piston rod are arranged parallel to one another in the axial direction and are set apart from one another transversely to the axial direction.

10 2. Steering gear according to Claim 1, characterized in that the gear rod is rigidly connected to the piston rod in the axial direction.

15 3. Steering gear according to any one of the preceding claims, characterized in that the cylinder is connected to the steering housing.

20 4. Steering gear according to any one of the preceding claims, characterized in that the cylinder holds the rotary slide valve.

 5. Steering gear according to any one of the preceding claims, characterized in that the free ends of the gear rods are encased by

preferably cup-shaped sleeves, which enclose and outwardly seal the movement space of the gear rod.

6. Steering gear according to any one of the preceding claims,
5 characterized in that the free ends of the gear rods are encased by sliding sleeves or bellows, which are capable of clearing or freeing the free space that is axially next to the gear rod, for example for a wheel turn.

10 7. Steering gear according to any one of the preceding claims, characterized in that the rotary slide valve is fastened as a module in a region located eccentrically on the frame.

15 8. Steering gear according to any one of the preceding claims, characterized in that the gear rod is rigidly connected to the cylinder in the axial direction.

20 9. Steering gear according to any one of the preceding claims, characterized in that the piston rod is mounted substantially immovably with respect to the vehicle.

10. Steering gear according to any one of the preceding claims, characterized in that a center take-off for the track rods to be actuated is fastened directly to the cylinder.

11. Steering gear according to any one of the preceding claims, characterized in that hydraulic fluid for actuating the servo-drive is supplied via the end faces (free ends) of the piston rod.

5

12. Steering gear according to any one of the preceding claims, characterized in that in total three parallel, axially set-apart rods, namely the gear rod, piston rod and guide rod, are provided.

10

13. Steering gear according to any one of the preceding claims, characterized in that track rods are articulated to the end faces of the piston rod.